

ABSTRACT

2 A multi-section ramp hinged longitudinally end-to-end uncurls from a
portable mode into an arc of hinged sections in open, or operational mode, each
4 adjacent section pair limited in opening rotation at less than 180 degrees as
adjacent section ends come into abutment. In its folded position, more upper
6 ramp sections nest in respective adjacent next lower ramp sections, in a stacked
nesting configuration resulting in a tightly compact, mobile unit easily storable in
8 a small volume and transported by hand. Each section comprises a runway in
the form of a plate with vertical panels on each runway lateral side extending
10 downward from the runway and with vertical end members on each runway
longitudinal end, forming an inverted open box. Longitudinal strengthening ribs
12 run between end members and pass into aligned slots in more inner runway
sections upon ramp folding so inner sections can nest more within the larger
14 sections without impacting the ribs.